

WHAT IS CLAIMED IS:

1. A support stand, comprising:

a plurality of support stands each having a periphery formed with a plurality of elongated flanges and a plurality of arcuate connecting faces
5 located between the flanges;

each of the flanges having two opposite sides each formed with a neck connected to a respective one of the arcuate connecting faces; and

each of the flanges having a surface formed with a plurality of grooves.

10 2. The support stand in accordance with claim 1, wherein each of the support stands has a tubular shape.

3. The support stand in accordance with claim 1, wherein the flanges are arranged in an annular shape.

15 4. The support stand in accordance with claim 1, wherein the flanges are equally distant from each other.

5. The support stand in accordance with claim 1, wherein each of the flanges is directed toward a center of each of the support stands.

6. The support stand in accordance with claim 1, wherein each of the flanges is substantially dovetail-shaped.

20 7. The support stand in accordance with claim 1, wherein each of the flanges has a width gradually reduced from the periphery to the center of each of the support stands.

8. The support stand in accordance with claim 1, wherein the grooves of the flanges are arranged in a circular shape.

9. The support stand in accordance with claim 1, further comprising a netted rack provided with a plurality of arcuate mounting plates, and a plurality of arcuate fixing plates each mounted on a respective one of the mounting plates of the netted rack, wherein each of the support stands is mounted on a respective one of the fixing plates for supporting the netted rack.

10. The support stand in accordance with claim 9, wherein each of the fixing plates has a first side mounted on a respective one of the mounting plates of the netted rack and a second side mounted on either one of the flanges of the respective support stands, the second side of each of the fixing plates is formed with a plurality of insertion strips each inserted into a respective one of the grooves of the respective flange.

11. The support stand in accordance with claim 9, wherein each of the fixing plates has two ends each formed with a hook urged on the neck of the respective flange.

12. The support stand in accordance with claim 9, wherein each of the flanges of each of the support stands are combined with the netted rack in different angles.